() PATENT COOPERATION TREATY

TOWNSEND & TOWNSEND &

From the INTERNATIONAL SEARCHING AUTHORITY

To:
WILLIAM B. KEZER
TOWNSEND AND TOWNSEND AND CREW LLP
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

WBIC

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION

	(PCT Rule 44.1)				
022205-000320PC	Date of mailing (day/month/year) 07 APR 2005				
Applicant's or agent's file reference 22205-3-2PC	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US04/27156	International filing date (day/month/year) 18 August 2004 (18.08.2004)				
Applicant TRANSORAL PHARMACEUTICALS, INC.					
The applicant is hereby notified that the international search have been established and are transmitted herewith.	h report and the written opinion of the International Searching Authority				
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clair	ns of the international application (see Rule 46):				
When? The time limit for filing such amendments is n search report.	cormally two months from the date of transmittal of the international				
where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35					
For more detailed instructions, see the notes on the acc	companying sheet.				
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.					
3. With regard to the protest against payment of (an) additi-					
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the appl					
4. Reminders					
Bureau. If the applicant wishes to avoid or postpone publication, a	the international application will be published by the International notice of withdrawal of the international application, or of the priority bis.1 and 90bis.3, respectively, before the completion of the technical				
international Bureau. The International Bureau will send a copy preliminary examination report has been or is to be established.	the written opinion of the International Searching Authority to the of such comments to all designated Offices unless an international These comments would also be made available to the public but not				
examination must be filed if the applicant wishes to postpone the e- some Offices even later); otherwise, the applicant must, within 20	of some designated Offices, a demand for international preliminary into the national phase until 30 months from the priority date (in months from the priority date, perform the prescribed acts for entry				
into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.					
	plicable time limits, Office by Office, see the PCT Applicant's Guide,				
Name and mailing address of the ISA/ US	Authorized officer Manu Julies				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Frederick B. Robes				
P.O. Box 1450	2.600				
Alexandria, Virginia 22313-1450 Facsimile No. (703) 872-9306	Telephone No. (571) 272-1600				
Form PCT/ISA/220 (January 2004)	(See notes on accompanying sheet)				

(See notes on accompanying sheet)

File IDS in US
Search Report Reed
Art 19 Amend
DOCKETED BY 18h

BEST AVAILADLL

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 22205-3-2PC		ce Form PCT/ISA/220 where applicable, item 5 below.
International application No. PCT/US04/27156	International filing date (day/month/year) 18 August 2004 (18.08.2004)	(Earliest) Priority Date (day/month/year) 21 August 2003 (21.08.2003)
Applicant TRANSORAL PHARMACEUTICALS, INC	C.	
according to Article 18. A copy is being to	transmitted to the International Bureau.	Authority and is transmitted to the applicant
language in which it was filed, un The international furnished to this Author	nless otherwise indicated under this item. search was carried out on the basis of a tra rity (Rule 23.1(b)).	
	unsearchable (See Box No. II) g (See Box No. III)	in the international application, see Box No. I.
the text has been established	by this Authority to read as follows:	
	, according to Rule 38.2(b), by this Authori	ity as it appears in Box No. IV. The applicant urch report, submit comments to this Authority.
as suggested by the a	authority, because the applicant failed to sugarthority, because this figure better characters.	ggest a figure.

Form PCT/ISA/210 (first sheet) (January 2004)

	INTERNATIONAL SEARCH REPO	ORT		international appl	ication No.
PCT/US04/2715					;
IPC(7) US CL According to	SSIFICATION OF SUBJECT MATTER : A61K 7/16 : 424/48, 49, 464 International Patent Classification (IPC) or to both n DS SEARCHED	ational class	ification and	1 IPC	
 					
	ocumentation searched (classification system followed 24/48, 49, 464	1 by classifice	ation symbo	ls)	
Documentati	on searched other than minimum documentation to the	ne extent that	such docun	nents are included	in the fields searched
Electronic de	ata base consulted during the international search (na	me of data ba	ase and, whe	re practicable, sea	rch terms used)
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		·		
Category *	Citation of document, with indication, where	appropriate,	of the releva	int passages	Relevant to claim No.
Y	Y US 5,288,497 A (STANLEY ET AL) 22 February 1994 (22.02.1994), see the entire document.				1-126
				·	
				·	
				,	
	documents are listed in the continuation of Box C.			amily annex.	
-	pecial categories of cited documents: defining the general state of the art which is not considered to be of relevance		and not in confi	published after the intem- ict with the application be any underlying the inventi	ational filing date or priority date at cited to understand the on
	lication or patent published on or after the international filing date		considered nove	rticular relevance; the clai el or cannot be considered rent is taken alone	imed invention cannot be I to involve an inventive step
	which may throw doubts on priority claim(s) or which is cited to ne publication date of another citation or other special reason (as		considered to in	volve an inventive step w	med invention cannot be then the document is combined such combination being obvious
"O" document	referring to an oral disclosure, use, exhibition or other means		to a person skill	ed in the art	
priority dat				per of the same patent fan	
	tual completion of the international search 5 (22.03.2005)	Date of ma	APR 2	international searc	h report
Name and ma	iling address of the ISA/US	Authorized	officer /	Jane.	Miles
Com	Stop PCT, Attn: ISA/US missioner for Patents Box 1450	Frederick 1	0/2	2	7 000
	andria, Virginia 22313-1450 (703) 872-9306	1 elepnone	140. (2/1) 2	272-1600	

Form PCT/ISA/210 (second sheet) (January 2004)

From the INTERNAT	TONAL SEARCI	HING AUTH	ORITY			
То:		· <u>·</u>		MBK	PCT	
	1B. KEZER ND AND TOWN	SEND AND	CREWLLP	WPI		
TWO EM	BARCADERO C			WR	UTTEN OPINION OF THE	
EIGHTH SAN FRA	FLOOR NCISCO, CA 94	4111-3834			ONAL SEARCHING AUTHORITY	
					(PCT Rule 43 <i>bis</i> .1)	
. 0	22205	-000	320 PC	Date of mailing (day/month/year)	07 APR 2005	
Applicant'	s or agent's file re	eference		FOR FURTHER ACTION		
22205-3-2				ļ 	See paragraph 2 below	
Internation	al application No) .	International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US04			18 August 2004 (18.08.2		21 August 2003 (21.08.2003)	
Internation	al Patent Classifi	cation (IPC)	or both national classificati	on and IPC		
	61K 7/16 and US	CL: 424/48, 4	19, 464		·	
Applicant						
TRANSO	RAL PHARMAC	EUTICALS,	INC.			
1. This c	pinion contains in	ndications rel	ating to the following item	8:		
	Box No. I Basis of the opinion					
	Box No. II Priority					
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV Lack of unity of invention					
	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	Box No. VI Certain documents cited					
	Box No. VII Certain defects in the international application					
	Box No. VIII Certain observations on the international application					
2. FURTHER ACTION						
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
For fu	For further options, see Form PCT/ISA/220. 7/7/05					
3. For further details, see notes to Form PCT/ISA/220.						
Name and	ame and mailing address of the ISA/US Authorized officer Manual Lulas					
l .	maning address o Aail Stop PCT, Attn		•		1.100	
	Commissioner for Pa P.O. Box 1450	tents		Frederick F Kras		
	lexandria, Virginia	22313-1450		Telephone No. 70	3-308-1235	

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

RESPONSE to writer opion.



International application No.

PCT/US04/27156

1. With r	egard to the language, this opinion has been established on the basis of the international application in the language in which it
was fi	led, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With r invent	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, this opinion has been established on the basis of:
a .	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material.
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additio	onal comments:
DOTA	SA/237/Box No. D (Jamiery 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International apple on No.
PCT/US04/27156

INTERNATIONAL SEARCHING		·	
x No. V Reasoned statement under Rule	43 bis.1(a)(i) with regard	to novelty, inventive ste	or industrial
applicability; citations and explain	nations supporting such	statement	
Statement			
Statement	G1 : - 4 10C	•	_YES
Novelty (N)	Claims 1-126		NO
	Claims NONE		
	Claims NONE		YES
Inventive step (IS)	_		NO
	 ;		•
Industrial applicability (IA)	Claims <u>1-126</u>		YES
	Claims NONE		NO
aims 1-126 meet the criteria set out by PCT Art armaceutical/medical industries is self-evident.	cie 33(4), tie applicatinty or	and community of	
·		•	
	•		
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